

## Chief Joseph Dam

### Current conditions:

- Flow deflector construction → cofferdam remains attached to spillway face
- Project maintenance → spillway joint repairs underway (monolith uplift issue)
- 8 of 19 spillway bays are available (the other 11 are locked out)
- Available bays all have deflectors below them

### Construction:

- Must pour concrete 5/21 and 5/22 to finish current construction cycle
- Deflector construction is 90% complete, only 2 more bays left
- After 5/22, high probability of suspending construction due to spill risk

### Issues with spillway use:

- Cofferdam subjected to turbulent flow conditions
  - Has withstood brief durations (<1 day) of low spill (32 kcfs)
  - Some spill can be tolerated, but magnitude and duration a concern
  - If cofferdam is not damaged, will be finished later this summer
  - If cofferdam is damaged, completion may be delayed as much as a year
- Spillway joint repairs have not been finished
  - partial repair shows reduction of uplift pressures, but not elimination
  - Intensive monitoring required during spill
  - If monitoring shows problem, will request spill reduction

### Photos:



